AMENDMENTS TO THE CLAIMS

1 (Currently Amended) A system for applying ultrasound energy to the thoracic cavity of an individual while being transported comprising

an electric signal generating machine sized to be transported with the individual, an ultrasound applicator adapted to be coupled to the electric signal generating machine to generate ultrasound energy, the ultrasound applicator being sized to be placed to the chest of the individual while being transported to transcutaneously apply ultrasound energy to the thoracic cavity, whereby the application of ultrasound energy increases the blood flow of the individual, and

a sling assembly affixed to the ultrasound applicator, to stabilize placement of the ultrasound applicator on the chest during application of ultrasound energy to the thoracic cavity, the sling assembly comprising a waist loop and a shoulder loop that leave the chest of the individual on opposing lateral sides of the ultrasound applicator substantially uncovered by the sling assembly to allow another treatment device to be placed alongside the ultrasound applicator at the same time the ultrasound applicator is placed on the chest and affixed to the sling assembly.

2 (Canceled)

3 (Previously presented) A system according to claim 1

wherein the ultrasound applicator includes top and bottom flanges, and

wherein the shoulder loop and the waist loop hook into the top and bottom flanges, respectively, to comprise a quick release mechanism.

4 (Previously presented) A system according to claim 3

wherein at least one of the shoulder loop and waist loop includes a stretchable material.

5 – 7 (Canceled)

8 (Original) A system according to claim 1

wherein the ultrasound applicator includes an ultrasound transducer to transcutaneously apply ultrasound energy to the thoracic cavity, the ultrasound transducer being sized to provide a power density not exceeding 3 watts/cm^2 at a maximum total power output of no greater than 200 watts operating at a fundamental therapeutic frequency not exceeding 500 kHz.

9 (Original) A system according to claim 1

wherein the electric signal generating machine is battery powered.

10 – 25 (Canceled)

26 (Currently amended) A system for applying ultrasound energy to the thoracic cavity of an individual while being transported comprising

an electric signal generating machine sized to be transported with the individual,

an ultrasound applicator adapted to be coupled to the electric signal generating machine to generate ultrasound energy, the ultrasound applicator being sized to be placed to the chest of the individual while being transported to transcutaneously apply ultrasound energy to the thoracic cavity, whereby the application of ultrasound energy increases the blood flow of the individual, and

a halter assembly affixed to the ultrasound applicator, to stabilize placement of the ultrasound applicator on the chest during application of ultrasound energy to the thoracic cavity, the halter assembly comprising a top halter strap worn about the shoulders and a bottom halter strap worn about the back to leave the chest of the individual on opposing lateral sides of the ultrasound applicator substantially uncovered by the halter assembly to allow another treatment device to be placed alongside the ultrasound applicator at the same time the ultrasound applicator is placed on the chest and affixed to the halter assembly.

27 (Previously presented) A system according to claim 26

wherein the ultrasound applicator includes top and bottom rings, and

wherein the top halter strap and the bottom halter strap loop through the top and bottom rings, respectively, to comprise a quick release mechanism.

28 (Previously presented) A system according to claim 27

wherein at least one of the top halter strap and bottom halter strap includes a quick release material.

29 (Previously presented) A system according to claim 26

wherein the ultrasound applicator includes an ultrasound transducer to transcutaneously apply ultrasound energy to the thoracic cavity, the ultrasound transducer being sized to provide a power density not exceeding 3 watts/cm^2 at a maximum total power output of no greater than 200 watts operating at a fundamental therapeutic frequency not exceeding 500 kHz.

30 (Previously presented) A system according to claim 26

wherein the electric signal generating machine is battery powered.

31 (Currently amended) A system for applying ultrasound energy to the thoracic cavity of an individual while being transported comprising

an electric signal generating machine sized to be transported with the individual,

an ultrasound applicator adapted to be coupled to the electric signal generating machine to generate ultrasound energy, whereby the application of ultrasound energy increases the blood flow of the individual, the ultrasound applicator being sized to be placed to the chest of the individual while being transported to transcutaneously apply ultrasound energy to the thoracic cavity, the ultrasound applicator having a top surface, a bottom surface, and opposed lateral side surfaces, and

a stabilization assembly affixed to the ultrasound applicator, to stabilize placement of the ultrasound applicator on the chest during application of ultrasound energy to the thoracic cavity, the stabilization assembly comprising a first component affixed to the top surface of the ultrasound applicator and a second component affixed to the bottom surface of the ultrasound application, the lateral side surfaces of the ultrasound applicator being not affixed to any component of the stabilization assembly to leave the chest of the individual on opposing lateral surfaces of the ultrasound applicator substantially uncovered by the stabilization assembly to allow another treatment device to be placed alongside the ultrasound applicator at the same time the ultrasound applicator is placed on the chest and affixed to the stabilization assembly.

32 (Previously presented) A system according to claim 31

wherein at stabilization assembly includes a quick release mechanism to affix least one of the first component and the second component to the ultrasound applicator.

33 (Previously presented) A system according to claim 31

wherein the ultrasound applicator includes an ultrasound transducer to transcutaneously apply ultrasound energy to the thoracic cavity, the ultrasound transducer being sized to provide a power density not exceeding 3 watts/cm^2 at a maximum total power output of no greater than 200 watts operating at a fundamental therapeutic frequency not exceeding 500 kHz.

34 (Previously presented) A system according to claim 31

wherein the electric signal generating machine is battery powered.

35 (New) A system according to claim 1 wherein the other treatment device comprises an ECG, said ECG placed laterally alongside the ultrasound applicator at the same time the ultrasound applicator is placed on the chest and affixed to the sling assembly.

36 (New) A system according to claim 26 wherein the other treatment device comprises an ECG, said ECG placed laterally alongside the ultrasound applicator at the same time the ultrasound applicator is placed on the chest and affixed to the sling assembly.

37 (New) A system according to claim 31 wherein the other treatment device comprises an ECG, said ECG placed laterally alongside the ultrasound applicator at the same time the ultrasound applicator is placed on the chest and affixed to the sling assembly.